

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001368

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C07D 207/34, 209/56, 233/90; A61K 31/4164, 31/40; A61P 35/00, 31/18, 31/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
STN CAS-Online: substructure search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1998/049142 A1 (CARLIFORNIA INSTITUTE OF TECHNOLOGY) 5 November 1998 See whole document	13, 17-20
X	WO 2003/041128 A2 (PHARMACIA CORPORATION) 15 May 2003 See whole document	13, 17-20
X	US 4942227 (DERVAN et al) 17 July 1990 See whole document, especially, columns 87-90	13
X	WO 1999/062551 A1 (BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM) 9 December 1999 See whole document, especially pages 31-34	13, 17-20

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
3 December 2004

Date of mailing of the international search report
14 DEC 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2003/020877 A2 (PHARMACIA CORPORATON) 13 March 2003 See whole document, especially Example XVII, pages 12, 90, 91	13
X	BARALDI P G et al, "Design, synthesis and in vitro cytotoxicity of a cis-dichloroplatinum (II) complex linked to the minor groove binder stallimycin" Arzneimittel-Forschung (2003), 53(2), 107-113 See abstract, structural formulae at page 108, Scheme 1 (compounds 10,11)	13
X	Belitsky, Jason M et al, "Cellular uptake of N-methylpyrrole/N-methylimidazole polyamide-dye conjugates" Bioorganic & Medicinal Chemistry (2002), 10(10), 3313-3318 See Figure 1	13, 17-20
X	Pitie, Marguerite et al, "Mechanisms of DNA cleavage by copper complexes of 3-Clip-Phen and of its conjugate with a distamycin analogue" Nucleic Acids Research (2000), 28(24), 4856-4864 Copper complex of conjugates 1, 2 and 3 in Figure 1	13
X	Loskotova, Hana et al, "DNA interactions of cisplatin tethered to the DNA minor groove binder distamycin" European Journal of Biochemistry (1999), 266(2), 392-402 See Figure 1	13
X	Swalley, Susanne et al., "Effects of .gamma.-Turn and .beta.-Tail Amino Acids on Sequence-Specific Recognition of DNA by Hairpin Polyamides" Journal of the American Chemical Society (1999), 121(6), 1113-1120 See Figure 2	13
X	Lee, Moses et al, "Novel platinum(II) derivatives of analogs of netropsin and distamycin: synthesis, DNA binding and cytotoxic properties" Medicinal Chemistry Research (1996), 6(6), 365-371 See abstract and Figure 2	13, 17-20
X	Sugurdsson, Snorri Th. et al, "Synthesis and reactions with DNA of a family of DNA-DNA affinity crosslinking agents" Tetrahedron (1994), 50(42), 12065-84 See scheme 1, compounds 1-3 cross linked to distamycin	13
X	Huang, Liren et al, "Design of DNA-cleaving molecules which incorporate a simplified metal-complexing moiety of bleomycin and lexitropsin carriers" Bioorganic & Medicinal Chemistry Letters (1993), 3(8), 1751-6 See scheme 4, Fe(II)-hybrid complexes	13
X	Youngquist, R. Scott et al, "A synthetic peptide binds 16 base pairs of A,T double helical DNA" Journal of the American Chemical Society (1987), 109(24), 7564-6 See Figure 2	13

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO 1998049142		AU 25268/97	AU 37347/97	AU 41450/97	
		AU 61517/98	AU 61588/98	AU 62552/98	
		AU 64334/98	AU 64341/98	AU 67576/98	
		AU 71040/98	CA 2247889	CA 2279959	
		CA 2280806	CA 2281843	CA 2281930	
		CA 2281947	CA 2281948	CA 2286232	
		CA 2288806	CA 2299455	CN 1260006	
		EP 0885189	EP 0958508	EP 0964703	
		EP 0968186	EP 0973740	EP 0973798	
		EP 0986539	EP 0991417	EP 1007729	
		EP 1023288	US 5998140	US 6087663	
		US 6090947	US 6143901	US 6303312	
		US 6472537	US 6506906	US 6545162	
		US 6555692	US 6635417	US 6660255	
		US 6683189	WO 1997030975	WO 1998035242	
		WO 1998035702	WO 1998037066	WO 1998037067	
		WO 1998037087	WO 1998045284	WO 1998050058	
		WO 1998050582			
WO 2003041128		CA 2465886	EP 1451856	US 2003109448	
US 4942227		US 4529401	US 4665184		
WO 1999062551		AU 42321/99	CA 2334809	EP 1082138	
		NO 20006155	US 6207660		
WO 2003020877		NIL			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					